

20010409.qrp v02_n154.qrl.20010409

Date: Mon, 9 Apr 2001 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2154

QRP-L Digest 2154

Topics covered in this issue include:

- 1) [95964] KITS: Small Wonder Labs moving
by "Dave Benson" <nn1g@earthlink.net>
- 2) [95965] Re: KITS: Small Wonder Labs moving
by K5BDZ@aol.com
- 3) [95966] Re: KITS: Small Wonder Labs moving
by Dave Fouchey <dafouchey@home.com>
- 4) [95967] RE: KITS: Small Wonder Labs moving
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 5) [95968] Arkiecon was Great!!
by "James R. Duffey" <jamesd1@flash.net>
- 6) [95969] PIXIE: Thanks - and comments
by John Wagner <john@neknetwork.com>
- 7) [95970] coax
by ac5ez@webtv.net (Larry)
- 8) [95971] Re: [MH101] MV1662 vs. 1N4001
by Bill Stietenroth <k5zty@juno.com>
- 9) [95972] Weber VFO kit?
by "Steve/n0tu" <n0tu@webaccess.net>
- 10) [95973] Another Coax question RG179B/U
by PTSMANTUA@aol.com
- 11) [95974] QRP ARCI Spring QSO Party
by Randy Foltz <rfoltz@turbonet.com>
- 12) [95975] Arkicon G3MFJ & G4WIK Presentation
by "David Bixler" <qrp@netins.net>
- 13) [95976] Milliwatting is fun!
by Monty N5FC <n5fc@io.com>
- 14) [95977] FS: Battery and charger for FT-817
by Dave Redfearn <n4elm@home.com>
- 15) [95978] FS: Wilderness KC2 and Sierra front panel
by Dave Redfearn <n4elm@home.com>
- 16) [95979] [QRP-L] Does anyone remember the SRL receiver from QST in about 1972?
by "Jim Pruitt" <wa7duy@eburg.com>
- 17) [95980] Re: need PS scematic for ps14k
by adamvaz@palm.net (Adam Vazquez)
- 18) [95981] Wahh Hooooo!!!
by Bill Walker <kd7jzb@mindspring.com>
- 19) [95982] Good night for PSK31 DX

- by Bill Walker <kd7jzb@mindspring.com>
- 20) [95983] Arkiecon O' Arkiecon
by <mjfitz@uswest.net>
- 21) [95984] Re: Another Coax question RG179B/U
by "William K. Harding" <k4ahk@ix.netcom.com>
- 22) [95985] Re: Classic SST20 out for a few laps today...
by neil <wa4chq@qsl.net>
- 23) [95986] Re: KITS: Small Wonder Labs moving
by "Pastor-KC1DI" <elbc@pivot.net>
- 24) [95987] RE: battery and charger for FT-817 - SOLD
by Dave Redfearn <n4elm@home.com>
- 25) [95988] Current limiter
by "Alex Turner" <aturner13@triad.rr.com>
- 26) [95989] OT: National Submarine Day
by "David Hurley,n2zhy" <n2zhy@amsat.org>
- 27) [95990] Re: Current limiter
by "Mike Yetsko" <myetsko@insydesw.com>
- 28) [95991] FS: MFJ 9406
by "John Pate" <lighthousedx@hotmail.com>
- 29) [95992] FW: [DXR] QRP DXpedition
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 30) [95993] RE: HF blackout caused by HAARP Project!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 31) [95994] Re: Transistor checker TR-1
by Pete Burbank <plburbank@kih.net>
- 32) [95995] Looking for MFJ 971
by Alen Mitrovic <alen.mitrovic@hermes.si>
- 33) [95996] Adventure @ Arkiecon 2001
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
- 34) [95997] FT-817
by "Richard Clemens" <clemens@wvwc.edu>
- 35) [95998] The Spring Bouquet operating event.
by Bruce Ratray <rattray@gpfn.sk.ca>
- 36) [95999] got FT-817
by Alen Mitrovic <alen.mitrovic@hermes.si>
- 37) [96000] Re: OT: National Submarine Day
by Pete Burbank <plburbank@kih.net>
- 38) [96001] Does anyone have a July 1996 QRP Quarterly???
- by "Craig A. Ferris" <cferris@aeronix.com>
- 39) [96002] OT warning:: Computer geeky hardware question.
by agtaylor@llnl.gov
- 40) [96003] QRP Desktop question
by Bruce Ratray <rattray@gpfn.sk.ca>
- 41) [96004] Re: OT warning:: Computer geeky hardware question.
by Jeff Francis <jfrancis@frii.com>
- 42) [96005] RE: OT warning:: Computer geeky hardware question.
by "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
- 43) [96006] Dual Crystal VXO Question

by "Phinizy, William" <wphinizy@filenet.com>
44) [96007] Re: OT warning:: Computer geeky hardware question.
by Paul Mills <cybrinjn@gis.net>
45) [96008] Re: OT warning:: Computer geeky hardware question.
by "Mike Yetsko" <myetsko@insydesw.com>
46) [96009] Re: OT warning:: Computer geeky hardware question.
by "Mike Yetsko" <myetsko@insydesw.com>
47) [96010] Re: Dual Crystal VX0 Question
by Bill Jones <kd7s@psnw.com>
48) [96011] Mo' antoona mojo & the Grinnin' Turkey Ranch
by Nils R Young <nilsbull@juno.com>
49) [96012] Contact info for G3SBI?
by Roger Traylor <traylor@ece.orst.edu>
50) [96013] The W3FPR website has moved
by "Don Wilhelm" <w3fpr@arrl.net>
51) [96014] Re: Dual Crystal VX0 Question
by Pete Burbank <plburbank@kih.net>
52) [96015] Re: Dual Crystal VX0 Question
by "Phinizy, William" <wphinizy@filenet.com>
53) [96016] PSK31 Warbler Kit Build #4
by KC4FKX@aol.com
54) [96017] Tunnel Diode Question
by Pete Burbank <plburbank@kih.net>
55) [96018] RE: WWVB wirst watch
by "AI2Q Alex" <ai2q@adelphia.net>
56) [96019] M.RE: National Submarine Day
by "AI2Q Alex" <ai2q@adelphia.net>
57) [96020] [MH101] Parallel Diodes
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
58) [96021] Field Strength Meter
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
59) [96022] Re: Tunnel Diode Question
by Chris Trask <ctrask@primenet.com>
60) [96023] OT x 2 (Police, and Roosters)
by Euramcom <mel@euramcom.freeserve.co.uk>
61) [96024] Arkiecon Is A Winner!
by DYARNES@aol.com
62) [96025] Re: WWVB wirst watch
by "Lynn Geitgey" <lgeitgey@kumc.edu>
63) [96026] RE: Field Strength Meter
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
64) [96027] info
by "T.W." <wb5qyt@abq.com>
65) [96028] RE: Field Strength Meter
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
66) [96029] QRP kit from RV3GM arrived
by Richard Clem <clem.law@usa.net>
67) [96030] QRP mobile update

by Richard Clem <clem.law@usa.net>
68) [96031] ladder line in the rain. what goes
by "Stuart Rohre" <rohre@arlut.utexas.edu>
69) [96032] Metal film properties
by "Stuart Rohre" <rohre@arlut.utexas.edu>
70) [96033] Re: [MH101] Parallel Diodes
by "Steven Weber" <kd1jv@moose.ncia.net>
71) [96034] Home Brewin' Knightlites and Potato Power
by Bob Kellogg <ae4ic@nr.infi.net>
72) [96035] Re:ladder line in the rain. what goes
by agtaylor@llnl.gov
73) [96036] More Battery Testing - K1 and NiMH vs Alkaline
by Larry Cahoon <lejek@erols.com>
74) [96037] ArkieCon -- Special Event!
by "Chuck Carpenter" <w5usj@globeco.net>
75) [96038] Today at 1535 UT an M8-class solar flare near
by RangerSF5@aol.com

Date: Sun, 8 Apr 2001 19:21:08 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [95964] KITS: Small Wonder Labs moving
Message-ID: <006901c0c09b\$c3d73a20\$9924fc9e@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

It's been a long time coming! As of this coming Thursday, April 12th, we leave the place we've called home for some 14 years and head to new quarters a few miles away.

There was a post here not too long ago questioning the connection between 'moving' and timeliness of obligations. I'm not afraid to assert that there's a distinct connection!

Try readying an older home for inspection, throwing out more than a decade of accumulated Stuff and filling a 10'x15' storage locker to the ceiling. Throw in moving an offspring to his own apartment, hunting for used cars for both kids and we're talking major-league chaos. I'd love to simply call in Big-Hootie Movers, Inc and have them magically whisk everything from point A to point B. It's not like that, though.

Effective Monday, April 9th, Small Wonder Labs is taking a two-week

'work- til-you-drop' vacation and will effectively be closed for that duration. There will be a number of kits shipping on April 9th; after that I will continue to provide prompt parts-replacement support. Other inquiries may take somewhat longer to respond to, but I'll strive to keep up. I'll be keeping the website 'shipping status' page current.

The new location will have twice the space for both business and family use, and will finally sprout a dedicated business phone line- to my wife's considerable delight. Here's a link to an image- not a bad VHF location!

<http://smallwonderlabs.com/img/Newhouse.jpg>

Thanks for your patience while all of this is going on. There'll be more to this story- it's happily QRP-related and the saga will unfold further on closing day. :-)

73- Dave Benson, NN1G

Date: Sun, 8 Apr 2001 20:01:43 EDT
From: K5BDZ@aol.com
To: nn1g@earthlink.net, qrp-l@lehigh.edu
Subject: [95965] Re: KITS: Small Wonder Labs moving
Message-ID: <9.139a8241.280255e7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 04/08/2001 6:44:42 PM Central Daylight Time,
nn1g@earthlink.net writes:

<< As of this coming Thursday, April 12th, we
leave the place we've called home for some 14 years and head to new quarters
>>

I hope all of us will give Dave Benson our support -and understanding - in
his WONDERFUL and well deserved move!

Two months ago we moved from our home of 29 years, with two huge vans. We gave away many, many boxes of kids clothes, most of our furniture... but the electronics stuff stayed to be given away or thrown away. FINALLY, this weekend, our two kids came into town to help us finally get the remainder into boxes and either moved or thrown out. We did not have the luxury of taking two weeks off to finalize, and believe me..Dave will need it as will his wonderful business.

Dave, to make things even, I will move my communications company to new HQ at

the end of this month. With all the confusion at home, this move was two months delayed, but here we go again!

Bill K5BDZ

Date: Sun, 08 Apr 2001 21:00:19 -0400
From: Dave Fouchey <dafouchey@home.com>
To: nn1g@earthlink.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [95966] Re: KITS: Small Wonder Labs moving
Message-ID: <4.1.20010408205947.00948e50@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Good Luck Dave!

Dave
WA4EMR/8

At 07:21 PM 4/8/2001 -0700, Dave Benson wrote:

>gang-

>

> It's been a long time coming! As of this coming Thursday, April 12th, we
>leave the place we've called home for some 14 years and head to new quarters
>a few miles away.

>

> There was a post here not too long ago questioning the connection
>between 'moving' and timeliness of obligations. I'm not afraid to assert
>that there's a distinct connection!

>

> Try readying an older home for inspection, throwing out more than a
>decade of accumulated Stuff and filling a 10'x15' storage locker to the
>ceiling. Throw in moving an offspring to his own apartment, hunting for used
>cars for both kids and we're talking major-league chaos. I'd love to simply
>call in Big-Hootie Movers, Inc and have them magically whisk everything
>from point A to point B. It's not like that, though.

>

> Effective Monday, April 9th, Small Wonder Labs is taking a two-week
>'work-til-you-drop' vacation and will effectively be closed for that
>duration. There will be a number of kits shipping on April 9th; after that
>I will continue to provide prompt parts-replacement support. Other
>inquiries may take somewhat longer to respond to, but I'll strive to keep
>up. I'll be keeping the website 'shipping status' page current.

>

> The new location will have twice the space for both business and family
>use, and will finally sprout a dedicated business phone line- to my wife's
>considerable delight. Here's a link to an image- not a bad VHF location!

>
><http://smallwonderlabs.com/img/Newhouse.jpg>
>
>Thanks for your patience while all of this is going on. There'll be more to
>this story- it's happily QRP-related and the saga will unfold further on
>closing day. :-)
>
>73- Dave Benson, NN1G

Date: Sun, 8 Apr 2001 21:04:45 -0400
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
To: "'dafouchey@home.com'" <dafouchey@home.com>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>
Subject: [95967] RE: KITS: Small Wonder Labs moving
Message-ID: <078F21595FA7D411B87B00805FA728E64A4695@atlexc02ntms.h boc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

What's all that white alge all over things?? YUCK!
8-)

Jerry
W3CDE
-----Original Message-----
From: Dave Fouchey [mailto:dafouchey@home.com]
Sent: Sunday, April 08, 2001 9:00 PM
To: Low Power Amateur Radio Discussion
Subject: Re: KITS: Small Wonder Labs moving

Good Luck Dave!

Dave
WA4EMR/8

At 07:21 PM 4/8/2001 -0700, Dave Benson wrote:
>gang-
>
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we
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>
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>inquiries may take somewhat longer to respond to, but I'll strive to keep
>up. I'll be keeping the website 'shipping status' page current.
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>considerable delight. Here's a link to an image- not a bad VHF location!
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><http://smallwonderlabs.com/img/Newhouse.jpg>
>
>Thanks for your patience while all of this is going on. There'll be more
to
>this story- it's happily QRP-related and the saga will unfold further on
>closing day. :-)
>
>73- Dave Benson, NN1G

Date: Sun, 08 Apr 2001 19:36:37 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [95968] Arkiecon was Great!!
Message-ID: <B6F66E44.81BF%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Jay, Kathy, Kelsey, Kieth and all of the Ft. Smith QRPers put on a great QRP

show at Arkiecon this weekend.

My daughter is looking for colleges, so my travel budget is limited. I drove to Ft. Smith; to Amarillo after work on Thursday, and then to Ft. Smith on Friday. 10 M was open on the drive so I was glad I put the HTX-100 in the car. I worked EA8, HB9, F5, TI2, C06 and Manhattan on the way over.

The dinner at the Rib Eye was good as usual and the turkey fries were as good as they make in Nebraska. An informal bull session was held in the hotel Friday night, which was superb. They bent over backwards to accomodate us at the Hotel.

The swap meet was well stocked.

George Herron got everybody excited about PSK-31, Tony and Graham got everybody hooked on test gear in Altoids boxes as well as providing insight into the English language. It was all 6s and 7s up there, but what you lose in the swings you make up in the round about. Jim Kortge gave a good talk on his 17 meter transverter, which, as usual, gave good insight into circuit dewsign even if you don't build the transverter.

There was a short operating session in conjunction with the Bar-B-Que dinner. I was judge in the building contest. This precluded me from entering a sure fire winner in the ugliest homebrew class. Mike Fitzgibbon's regenerative receiver was the ultimate winner. The White SOx game sounded great on it!

Don't believe anything you hear about a hearts game with Derrick, Elizabeth and Hannbelle. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 08 Apr 2001 21:54:53 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95969] PIXIE: Thanks - and comments
Message-ID: <3AD1166D.D8303A6@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the feedback concerning getting rid of the BC interference on the pixie. I should have mentioned that I was already feeding the rig

through a tuner. I tried running straight wire and the BCI is noticeably worse - so a tuner is a good idea.

I haven't tried any other suggestions yet. I just finished making a final mod to the keyer I tacked on the board and ran the rig for about 20 minutes tonight. I had two previous QSO's with the pixie, both with Fran KM1Z over in Burlington.

Tonight I called CQ a few times and was answered by George N1X0Q down in Southern NH. He was running an FT-847 at 100w. We had a nice chat which was solid copy all the way through. After George Bob K1QT also in southern NH tailed ended me. We had a quick QSO (I'm heading to bed soon). It was nice to have a real live ham radio chat on this little 3x3 copper board with a couple transistors, bare bones audio amp and keyer chip tack soldered to it. It's so cool to look at that thing and have it actually work!

One note about the pixie: if you build one, solder in a RIT, it's a MUST have. I wouldn't have heard either N1X0Q or K1QT tonight, both of them were zero beat with my xmit freq. My rit is a junk box switch to ground on one side and a 51pF capacitor on the other.

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Date: Sun, 8 Apr 2001 20:57:21 -0500 (CDT)
From: ac5ez@webtv.net (Larry)
To: qrp-l@lehigh.edu
Subject: [95970] coax
Message-ID: <22078-3AD11701-1808@storefull-111.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Thanks to everyone who sent info on coax loss

K1zw
Larry
Qcwa

Date: Sun, 8 Apr 2001 20:09:54 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: k7qo@earthlink.net
Cc: qrp-l@Lehigh.EDU
Subject: [95971] Re: [MH101] MV1662 vs. 1N4001
Message-ID: <20010408.212030.-4092759.1.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Motorola quit making the MV1662 in about 1986. They have been hard to find for years. I found 2 of them in '95 when I was building a RIT circuit for my HW8 and kept one for a spare. It is a 250pf varicap that varies in capacitance from 0 to 6 volts with a nice linear region from 3 to 5 volts. I have been told that a couple of MV2115 or MV2215 in parallel will substitute.

Bill, K5ZTY
Houston, TX

On Sun, 08 Apr 2001 17:32:42 +0100 "Chuck Adams, K7Q0"
<k7qo@earthlink.net> writes:
>
>
> Gang,
>
> Saw where some people were having trouble running down a VM1662
> varicap
> for their HB version of the SW-30+ rig.
>
>

Date: Sun, 8 Apr 2001 20:42:03 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [95972] Weber VFO kit?
Message-ID: <008f01c0c09e\$a98c8be0\$6a211d82@sg2939h>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone who purchased Mr Melt-solder (Steve Weber) VFO kit - awhile back willing to sell it?

Steve/n0tu

Date: Sun, 8 Apr 2001 23:01:32 EDT
From: PTSMANTUA@aol.com
To: qrp-l@lehigh.edu
Subject: [95973] Another Coax question RG179B/U
Message-ID: <e5.47dbe57.2802800c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi, Saw the other post, and recalled I have a spool of RG179B/U, Also labeled Alpha 9179B

If anyone has spec's I would be very appreciative.

de Phil

KF8JW

Date: Sun, 08 Apr 2001 20:03:38 -0700
From: Randy Foltz <rfoltz@turbonet.com>
To: qrp-l_post <qrp-l@lehigh.edu>
Subject: [95974] QRP ARCI Spring QSO Party
Message-ID: <3AD1268A.1B3FD9C1@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy, gang.

Now that Atlanticon and Arkiecon are history and since there aren't any more fox hunts for a while, it is time to get on the air for the Spring QSO Party.
This and the Fall QSO Party are the two big ARCI contests.

Here is a summary of the contest.

Date/Time: April 14, 2001, 1200 Z through April 15 2400 Z.
You may work a
maximum of 24 hours of the 36 hour period. CW only.

Exchange: RST, State/Province/Country, ARCI number or power
if you are not
a member.

QSO Points:
Member = 5 points
Non-member different continent = 4 points
Non-member same continent = 2 points

Multiplier:
SPC (State/Province/Country) total for all bands. The same
station may be
worked on more than one band for QSO Points and SPC credit.

Power Mult:
0 to 250 mW = x15
over 250 mW to 1 W = x10
over 1 W to 5 W = x7
over 5 W = x1

Suggested Frequencies: The usual 80, 40, 20, 15, and 10 m
QRP ones.

Score:
Points (total for all bands) X SPCs (total for all bands) X
Power Multiplier

Teams:
You may enter as a team of either 2 to 5 members per team or
unlimited number of
operators as long as a maximum of 5 transmitters on the air
at a time. You compete
individually as well as on the team. Teams need not be in
the same location.
Team captain must send list of members to me before the
contest begins.

How to submit your entry:
Entry may be All-band, Single-, High-, or Low-Band. Entry
includes a copy of logs
and summary sheet. Include legible name, call, address, and
ARCI number, if any.
Entry must be received within 30 days of contest date.
Highest power used will

determine the power multiplier.

After the contest send your report by visiting
<http://personal.palouse.net/rfoltz/arci/form.htm>
Check the web page at
<http://personal.palouse.net/rfoltz/arci/highclm.htm>
to see what others have said and claimed as their scores.

Snail mail entries go to
Randy Foltz
809 Leith St.
Moscow, ID 83843

--
73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Sun, 8 Apr 2001 22:17:27 -0500
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [95975] Arkicon G3MFJ & G4WIK Presentation
Message-ID: <DBEPKBJH00EAHCKKIHPFOEIKCAAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello folks:

One of the presentations at Arkicon yesterday was by
Graham Firth G3MFJ and Tony Fishpool G4WIF. They gave an
excellent talk about home constructing simple test
equipment that the average ham can build to use in testing
or aligning our rigs.

Many of these circuits can be built into Altoid's tins, hence
the title of their presentation was "Test Equipment That
Doesn't Cost a Mint".

I took several photographs of the circuit schematics and have
posted them to my web sites (URL's below). I did not get
photos of all the circuits and the photo quality is not
very good. Perhaps they will be of assistance to folks who

would like to home construct some simple test gear.

72,

Dave

David Bixler W0CH - VK2IQX
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Sun, 08 Apr 2001 22:27:21 -0500
From: Monty N5FC <n5fc@io.com>
To: AQRP@egroups.com, qrp-1@Lehigh.edu
Subject: [95976] Milliwattting is fun!
Message-ID: <4.3.2.7.1.20010408215434.00ae6d70@mail.io.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hey gang!

Since building my 10 dB transmitting attenuator a month ago, I have been having a ball with "milliwattting". At first, I used the attenuator to switch my power from 5 watts to 500 mW. I was getting such good results, last weekend I decided I would crank the Century 21 down to 500 mW, and use the attenuator to give me 50 mW.

My strategy has been to answer 599 stations calling CQ (579 if they sign "/QRP"). As long as I don't have to compete with somebody else, I've almost always been getting answers. After completing the first exchange at 50 mW, I'll switch the attenuator out to QRO to 500mW, or to 5W if necessary (so the op on the other side doesn't have to suffer).

If the band is open but activity is slow, I'll park on a clear frequency and call CQ at 50 mW. This weekend, on 15 meters, I never had to call CQ more than 6 times before getting an answer. How about that!

Best 50 mW DX to date is AL7FS, on 15 meters for 3144 miles and 63K miles/watt! (and conditions weren't that good)... thanks, Jim, for digging me out.

Ok, so you're thinking I have a whiz-bang antenna, huh? ... nope, for 40

and 15 I use an Inverted Vee fed with 300-ohm ladder line, cut for 40 meters, mounted on a mast strapped to my chimney, with the apex at 30 feet, and the ends just 10 ft off the ground. For 20 and 10, I use a horizontal delta loop on my roof at 20 ft.

I'm hoping ol' Sol will arrange conditions so I can work JA, or maybe even VK at 50 mW. Wouldn't that be a hoot?

Hope this encourages some of you to build an attenuator, and explore what you can do with QRPp. It's a blast!

72,
monty N5FC

P.S. Next project: a 10/20/30 db attenuator ;-)

Monty Northrup, N5FC
Austin, Texas
e-mail: n5fc@io.com
web page (ham radio): <http://www.io.com/~n5fc>
web page (home): <http://www.io.com/~maddog>

Date: Sun, 08 Apr 2001 22:29:03 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95977] FS: Battery and charger for FT-817
Message-ID: <3AD12C7F.88C30054@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

Excess to my needs but as new, in excellent condition:

Internal Battery and Wall Charger for Yaesu FT-817.

FNB-79 9.6v, 1000ma Ni-Cad Battery
NC-72B wall charger

Both for \$65.00 + shipping from TX.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Sun, 08 Apr 2001 22:36:38 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95978] FS: Wilderness KC2 and Sierra front panel
Message-ID: <3AD12E46.4E239825@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wilderness Radio KC2 Keyer/Counter/Meter

Combination CW memory keyer, Frequency counter, RF Meter, and S Meter
the kit is built, tested, and mounted on a Wilderness Sierra front
panel, ready to install on a Sierra.

Used, in excellent condition.
with assembly/operations manual.

\$75.00 + shipping from TX.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Sun, 8 Apr 2001 22:00:00 -0700
From: "Jim Pruitt" <wa7duy@eburg.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [95979] [QRP-L] Does anyone remember the SRL receiver from QST in about 1972?
Message-ID: <001101c0c0b1\$ef080b00\$7e6d0041@eburg1.wa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a pc board by "SRL" of Tucson, AZ and is dated 11/71. It is a 20
meter receiver from QST and maybe the Handbook around latter 1971 or

possibly 72 or 73. Can anyone tell me what issue of QST the article appeared in and what the title was? I have tried searches on the ARRL site but they do not have everything in the system from that far back.

Thanks

Jim Pruitt

Date: Mon, 09 Apr 2001 01:13:30 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: kw3u@warwick.net, qrp-1@Lehigh.EDU
Subject: [95980] Re: need PS scematic for ps14k
Message-ID: <GBIEII00.PMH@mo120uhou.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello from Adam KB2JPD

Most of Pyramid.s PS are conventional 723-style w/crowbar protection.

Some of the RF is getting back into the PS causing the voltage regulator to shut down. You have been lucky so far. Their construction is so poor that I only use to subject electronic equipment to extremes.

Two suggestions (both harsh):

Trade it or Sell it for something better made.

>From the leakage of RF backwards to the poor construction on the circuit PCB, it is two thumbs down.

Try this as a test. Get some used auto bulbs. Put a good voltmeter across the PS. Watch it oscillate and cave in after a few amps of load. Are you willing to trust this with your radio?

Adam KB2JPD

kw3u@warwick.net wrote on 4/8/01 10:14 am:

>Hi;
> Wondering if someone
>might have an scematic for a
>pyramid mod ps14k power

>supply. Friend dropped it off.
>symtoms are: will run my
>ic725 connected to dummy
>load(military
>150w canadian marconi co.
>neat) at 13.8 v on rcv. in
>xmt ok till 3 or 4
>watts(not
>precise) and the voltage
>shuts down till i stop keying.
> A scanned pix or helpful
>hints appreciated.
>Also fixing pwr sply tips are
>probably good to cc to
>reflector here,
>IMHO.
> tnx Jim kw3u
>
>

Date: Sun, 08 Apr 2001 22:55:37 -0700
From: Bill Walker <kd7jzb@mindspring.com>
To: QRP-L Server <qrp-l@Lehigh.EDU>
Subject: [95981] Wahh Hoooo!!!
Message-ID: <5.0.2.1.0.20010408225452.009f4520@mail.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Just bagged Egor EM1KCC in Antarctica using my FT-817 in PSK-31 mode from
Tucson! ! !
I'll never get to sleep now!
14.070 MHz if your interested, go get him...

Bill Walker - KD7JZB
kd7jzb@arrl.net
<http://www.qsl.net/kd7jzb>

Date: Sun, 08 Apr 2001 23:42:47 -0700
From: Bill Walker <kd7jzb@mindspring.com>
To: QRP-L Server <qrp-l@Lehigh.EDU>, FT817 <FT817@yahoogroups.com>
Subject: [95982] Good night for PSK31 DX
Message-ID: <5.0.2.1.0.20010408233925.009fb0d0@mail.mindspring.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

I just talked to Yuki JA5FP in Chiba, I better quit I'm gonna be a wreck tomorrow!

Same FT-817 same PSK31 mode...

Bill Walker - KD7JZB

kd7jzb@arrl.net

<http://www.qsl.net/kd7jzb>

Date: Mon, 09 Apr 2001 03:01:29 -0500

From: <mjfitz@uswest.net>

To: qrp-l@Lehigh.EDU

Subject: [95983] Arkiecon 0' Arkiecon

Message-ID: <3AD16C59.E93DA92E@uswest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Wow!

THAT was fun. Big Time fun. Honestly...don't think I ever had a better time at a ham gathering than this... it was simply great to meet so many first-class qrpers, and the program and arrangements put on by Jay, Kelsey, and the Ft. Smith group were absolutely first-rate. If you could have been there and didn't go...toooooo bad... I'm marking the 2002 Apr calander page with an X right now...

A BIG thanks to you Ft Smith guys!

Mike N0MF

Date: Mon, 09 Apr 2001 05:09:13 -0400

From: "William K. Harding" <k4ahk@ix.netcom.com>

To: PTSMANTUA@aol.com, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [95984] Re: Another Coax question RG179B/U

Message-ID: <200104090909.FAA17616@granger.mail.mindspring.net>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Try this web site for a table of coax specs:
179B is 75 ohms, 19.5 pf/ft

<http://www.stormproducts.com/cable/rgcoax.htm>

Bill - K4AHK

>From: PTSMANTUA@aol.com
>To: "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>
>Subject: Another Coax question RG179B/U
>Date: Sun, Apr 8, 2001, 11:01 PM
>

>Hi, Saw the other post, and recalled I have a spool of RG179B/U, Also labeled
>Alpha 9179B
>
>If anyone has spec's I would be very appreciative.
>
>de Phil
>
>KF8JW

Date: Mon, 09 Apr 2001 06:13:43 -0400
From: neil <wa4chq@qsl.net>
To: grp-1@Lehigh.EDU
Subject: [95985] Re: Classic SST20 out for a few laps today...
Message-ID: <3AD18B57.13B8B8AA@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey John-
I like the color....same as "Sea Elf", my 32' sailboat here on the east
coast. Great web design!
I've been enjoying the simplicity of the SST too...great rig
Cheers-es 72
Neil wa4chq
<http://www.qsl.net/wa4chq>

Date: Mon, 9 Apr 2001 06:16:36 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [95986] Re: KITS: Small Wonder Labs moving
Message-ID: <003901c0c0de\$2f268460\$1d10a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congratulations Dave,

I hate moving but if it has to be done Looks like you have a nice spot.
All the Best,
Dave Kc1di

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.247 / Virus Database: 120 - Release Date: 4/6/01

Date: Mon, 09 Apr 2001 07:37:56 -0500
From: Dave Redfearn <n4elm@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [95987] RE: battery and charger for FT-817 - SOLD
Message-ID: <3AD1AD24.2F869A88@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The FT-817 battery and charger are spoken for.
Thanks for the response.

73 - Dave

=====
Dave Redfearn, ARS N4ELM, McKinney, TX
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)
QRL? de N4ELM/qrp

Date: Mon, 9 Apr 2001 09:12:24 -0400
From: "Alex Turner" <aturner13@triad.rr.com>
To: <qrp-1@lehigh.edu>

Subject: [95988] Current limiter
Message-ID: <06f001c0c0f6\$b83a7320\$a4611e01@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I need a way to limit the current to the amp that I'm currently experimenting with. I am tracking a problem where the amp apparently goes into oscillation when hooked to the MFJ-949E with no drive applied. I would like something quick and dirty if possible and I'm more concerned about saving the matched finals than being technically correct at this point. The main 13 volt supply for the station has current limiting, but I would rather not mess with it since I'm not sure what it's specs are. Any suggestions?

Alex Turner - N4BYJ

Date: Mon, 09 Apr 2001 13:22:22 +0100
From: "David Hurley,n2zhy" <n2zhy@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [95989] OT: National Submarine Day
Message-ID: <3AD1A97E.389561A6@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob/kc2aio and I will be operating from the USS Becuna on Wednesday April 11th, National Submarine Day. The Becuna is a WW2 museum ship docked on the Philadelphia waterfront.

Bob served aboard a similar boat, the Guavina, in the Pacific theater during WW2 and transferred some rescued flyers to the Becuna during one mission.

We will operate from 1000 to 1500hrs local time.
Callsign is KC2AI0 and Bob's qsl card will be sent.
We will operate CW only.
Bands will be 40, 20 and maybe 10 meters.
Look for us 43khz up from the bottom of the cw band.
Also check the qrp frequencies:
7.040, 14.060 and maybe 28.060

David Hurley,n2zhy
Bob Straub,kc2aio

Date: Mon, 9 Apr 2001 09:33:01 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <aturner13@triad.rr.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [95990] Re: Current limiter
Message-ID: <007501c0c0f9\$a1f8ca00\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whenever I need a simple current limiter, I use an LM-317 wired in constant current configuration. If your draw is less than the set on the 317, it just conducts.

I don't know how that would hold up around an RF rich environment though. You'd might have a real nightmare keeping the 317 clean.

Mike

> I need a way to limit the current to the amp that I'm currently
> experimenting with. I am tracking a problem where the amp apparently
goes
> into oscillation when hooked to the MFJ-949E with no drive applied.
> I would like something quick and dirty if possible and I'm more
concerned
> about saving the matched finals than being technically correct at this
> point. The main 13 volt supply for the station has current limiting,
but I
> would rather not mess with it since I'm not sure what it's specs are.
Any
> suggestions?
>
> Alex Turner - N4BYJ
>
>

Date: Mon, 09 Apr 2001 09:40:33 -0400
From: "John Pate" <lighthousedx@hotmail.com>
To: qrp-1@Lehigh.edu

Subject: [95991] FS: MFJ 9406
Message-ID: <F1267TfSr0fVwcdZ06Y00001e7b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Repost: MFJ 9406 with microphone and CW adapter. 160.00 shipped, Tnx

John Pate
KB4UTV
Amateur Radio Lighthouse Society #182
10-X #72341

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 9 Apr 2001 09:48:03 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Lindquist, Rick, N1RL" <rlindquist@arrl.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>
Subject: [95992] FW: [DXR] QRP DXpedition
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16DAB@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="koi8-r"

-----Original Message-----

From: Edward Kritsky
To: DX News
Sent: 4/8/2001 06:51 AM
Subject: [DXR] QRP DXpedition

The following was relayed to me by UZ8RR:

QRP-PEDITION OF THE UR-QRP CLUB

The Ukrainian QRP Club will hold its first QRP-DXpedition to the mountain of Ai-Petri in the Crimea, between 4 -11 of May, 2001. The main goals of this expedition are: to popularize low power operating, to attract the hams' attention to the QRP movement, to show boundless possibilities for low power work, to test QRP home-made transceivers, to make new friends.

A special call of the QRP-DXpedition is EM5QRP.

The members of team are: RK3ZK, UR6IRL, UR7IRL, US1RCH, US1RE0, UU4JCQ, UY1AW, UZ8RR ... The output power of the TX will be to 5 Watts - CW, to 10 Watts - SSB. Operating will be conducted mainly on the international QRP frequencies. RTTY and SSTV mode work is being planned too.

Three correspondents, who will have the largest number of the QSOs with the QRP-DXpedition members on various bands, will get prizes - books, published by Igor Grigorov, RK3ZK.

All correspondents will receive a special QSL-card confirming the QSOs. Those who wish to get the QRP-DXpedition pennant must send their QSL and 4 IRC to the expedition QSL-manager: UR7IRL, Vladimir Tretyakov, Post Box 41, Konstantinovka-10, Donetsk Region, 85110, Ukraine.

73! Peter Grytsay, US1RE0
E-mail: us1reo@urqrp.ne.cg.ukrtel.net

--
Edward Kritsky, NT2X
New York, USA
Incoming E-mail: red@escape.com

Subscribe/unsubscribe, feedback, FAQ, problems <http://njdx.org/dx-news>
To post a message, DX items only, dx-news@pro-usa.net
Archives available at
<http://www.mail-archive.com/dx-news%40pro-usa.net/>
This is the DXR reflector sponsored by the NJDXA <http://njdx.org>

Date: Mon, 9 Apr 2001 10:24:14 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'sjolin@swbell.net'" <sjolin@swbell.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95993] RE: HF blackout caused by HAARP Project!
Message-ID: <125490A005E3D3118C9C00805FC743CC01C16DB2@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

These flares hit the ionosphere with orders of magnitude more than the HAARP transmissions.

To date, ARRL has received no reports of interference or other radio-related

problems from the HAARP project. The HAARP folks have been in regular communication with a number of local Alaskan amateurs, one of whom serves on their interference committee.

See <http://w3.nrl.navy.mil/projects/haarp/> for info.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Dave Sjolín [<mailto:sjolin@swbell.net>]
Sent: Friday, April 06, 2001 9:46 PM
To: Low Power Amateur Radio Discussion
Subject: Re: HF blackout caused by HAARP Project!

AL7JK John Raynsford wrote:

>
> Just came in from walking the dogs, and couldn't hear a signal on any
> band with
> the K2. OH NO, the rig is broken, I thought, then I tried the Omni-C.
> Still no
> sigs. Checked the coax. SWR is OK. Then I checked the Cluster, and see a
> bunch
> of entries saying BLACKOUT and OFF! in place of callsigns.
>
> Is this from an earlier event, or is this something new?

John, contrary to what Art Bell might say, the HF blackout was due to a number of flares today. An X5 or 6 flare at 1920 utc and prior to that a couple of long lasting M8 or so flares.

73 de Dave, N0IT

Date: Mon, 09 Apr 2001 11:06:44 -0400
From: Pete Burbank <plburbank@kih.net>

To: nvcw@village.uunet.be, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [95994] Re: Transistor checker TR-1
Message-ID: <5.0.2.1.0.20010409105806.00a79b50@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:52 PM 4/8/2001 +0200, Nico Vertriest wrote:

>Hello,
>
>
>Is there anyone who has a transistor checker, brand "Life" model TR-1 ? I
>bought it on a hamsale, it works nicely, but no manual was provided and it
>has some some functionalities I don't understand.
>
>Thanks in advance.
>
>73
>
>Nico
>on4civ

Dr Nico,
I just received some books from Walt K1RTS... My first dealing with him
and I am happy.
He seems to have a lot of manuals etc. It's [HTTP://WWW.Infotronix.Net](http://www.infotronix.net)
73 Pete NV4V KY

Date: Mon, 9 Apr 2001 17:07:05 +0200
From: Alen Mitrovic <alen.mitrovic@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [95995] Looking for MFJ 971
Message-ID: <FED7EB450413D511ABC100B0D0211732814A04@hal9000.hermes.si>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi

has anyone QRP tuner MFJ971E for sale?

Bets 72 de Alen / S53MA
> -----
> Alen Mitrovic
>

> Personal Web Page : <http://www.qsl.net/s53ma/>

> -----

>

>

Date: Mon, 9 Apr 2001 10:11:15 -0500

From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [95996] Adventure @ Arkiecon 2001

Message-ID:

<E78D8A9D6762D411B5440008C791D4AA04A499A6@dfwex03.allegiancetelecom.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

WHAT a weekend! Please forgive me for using too many exclamation marks, but that's just what kind of weekend Arkiecon 2001 held for me and my distinctly better half, Rosa-Maria - an encounter full of exclamation marks!

Friday night's soiree at The Rib Eye restaurant, with several rooms and cubby-holes filled to the walls with avid QRPers and "significant others" sort of set the tone for what was to come on Saturday. We kind of over-ran (and overwhelmed) the wait staff, but in the end it was their calm demeanor which ended the evening on a high note. When we received our bill, my first thought was that our server was announcing the current national debt but then I also realized, "How often does Arkiecon happen, anyway?" Removing my tongue from my cheek, guys, Rosa-Maria and I believe the food we had at The Rib Eye was excellent and a superb value for money - one of the best rib eye steaks she's had in a long time is her proclamation. You gotta' come for Friday night next year! Doncha' dare miss it! (By the way, Doug, pickles may begin as cucumbers, but they end up as "fried pickles" !)

Come the dawn of Saturday, not much was happening 'cause the Fort Smith Hamfest and Arkiecon hadn't begun yet (yes, I was up and wired up before dawn!). I

suspect that everyone else was having dreams of sugar plums er, FT-817's and antennas dancing in their heads. So was I, but I was doing it in "real time dreaming". I'd already mapped out some of the several uses I'd have for the '817, where and how I could mount it in my truck, where it would fit in my hamshack, etc. Little did I know! (See the "P.S." below)

The flea market (why would anyone want to actually -buy- fleas?) was marvelous, with a large range of both home-stored "junk", brought to the Hamfest with the hope of gaining a few cubic feet of storage from the home shack so more stuff could be crammed in, and several commercial vendors with wares to tempt all of us with any range of money we happened to have in our pockets.

Since my wife is not (yet) a ham, Chuck Carpenter's wife, Margie, kindly took her under her wing and the two of them went off to pillage the stores and malls of Fort Smith. Thank heaven Rosa-Maria was carrying her water-cooled credit card! While the two of them ran rampant, the rest of us settled in for a thorough and totally understandable session about PSK-31. Though I've experimented with it with some success, I still get yanked back to CW as my favorite mode (I went through an RTTY phase with Model 12's, 19's and 33's a long time ago), even though I can keyboard type at speeds faster than either RTTY or PSK-31 can handle. I do have to slow down on CW, though, and that's probably a good thing (pardon the Martha Stewart phrase!).

I very much liked the idea of "taking a break" between QRP sessions. This gave me a chance to "collar" various other QRPers to meet them (to put a face to the calls I see on QRP-l) or get back to the flea market to discover if there wasn't some treasure that I just couldn't live without in my shack or "junk box" for some present (or future) project. Believe me, there was a w-i-d-e selection. Something to certainly appeal to almost anyone. I'm still not sure what I'm going to do with that 400 cycle (oops! Herz!) power transformer. Maybe it'll serve for a medium-quality modulation transformer one of these days..... or maybe I can use it in a transistorized switching power supply for B+ to a portable tube rig. (Non-backpackable, of course!)

While I didn't try the on-site food available, I have to admit that the barbeque grill smells that began to permeate our session room certainly tempted me! (I'm a hot dog fanatic, but I didn't see any available)

Building "Test Equipment Without Spending a Mint" (I reckon that "Equipment" should be spelled as: EquipmInt (with an "I") in keeping with the play on words) was a handy and timely reminder to us all that we don't have to have expensive equipment to trouble-shoot our QRP problems. As "the Blokes" pointed out, most of their suggestions and designs have appeared in "QRPP" or the "QRP Homebrewer" publications (did I get that right? Anyway, it's largely available to those who want to have a rounded-out builder's bench!). With practical examples (hardware you can see and touch!), they showed us all how to build versatile test equipment without spending a fortune (mint). With only one (1) nine-volt battery between them (as they claim), I imagine they must have to mail (post) it back and forth between them in the U.K. when it's time to try out a new piece of equipment!

I've always known that cyclists were dedicated to their hobby, but don't you think that Jim Kortge kinda' took it to an extreme when he decided he wanted a two-band SSB and CW rig on his bike? Come to think of it, I'm grateful for his addiction, 'cause his example of a Manhattan-constructed transverter leads us all to believe that we can do it TOO (even if the end product doesn't have the "professional look" of Jim's end product). His end products were passed around for everyone to "oooooh" and "ahhhh" over!

No, the afternoon/evening wasn't over yet, even after all this fun!

Doug Hendricks, never at a loss for words (well, not usually), began the process to drawing the winning ticket of the Grand Prize of the Arkiecon day - an FT-817 with all the 'fixin's ', a selection of TeNeKeys and one of Norm's fully-equipped MP-1 antenna systems. After a suitable amount of suspense, the winning call was announced - our good and well-known friend, Chuck Carpenter, from Point, Texas (now we all understand the point of "Point", don't we!?) was the lucky guy! His wife, Margie (my wife's shopping partner from earlier in the day, remember?), was on hand to share the experience. I think it was Doug H. who quipped, "Remember the rule: when a ham receives something of value like this, his wife is entitled to "win" the same amount!" (or words to that effect). In spite of all the envy going around the room, Chuck C. was gracious enough to allow all of us to offer him our congratulations and to even touch the boxes of all his goodies. Talk about "green"! As expected (and predicted), Chuck had his first contact with his new FT-817 on the local 2M repeater (even more "green envy" around the area!) and was busy trying to figure out a way to adapt his mag-mount on the car to hold an h.f. antenna while he motored back home to Point, Texas.

Shortly after, several of the gangue set up a couple of QRP rigs using a

Black Widow-supported dipole (was that the famous NorCal doublet?) and another station with what looked to my untrained eye like a Saint Louis Vertical (SLV). Regardless, I overheard a lot of QSOs going on at the back (side) porch of the facility, so we all know that diverse methods of field QRP work - without a doubt!

Jay-Bob arranged for a Saturday evening BBQ that would make even a Texan proud! That chopped-brisket BBQ was outstanding, but I'm not sure I can say the same for those "Mom's Award-winning Baked Beans". The first serving I had was so bad, I had to go back for seconds just to get the taste out of my mouth! (Get it?) Yeah, I know, I paid the penalty later, but that was much later! Wonderful chow for a wonderful ending to a wonderful weekend.

In My Never So Humble Opinion, Jay-Bob and his staff deserve a long, boistrous round of applause for all their hard work in putting this whole wonderful weekend together. There are always a plethora of unsung heroes working behind (and in) the scenes to be certain it "all comes off as planned". Arkiecon 2001 was an immense success because of ALL their combined talent and hard work. Applause, applause, applause!

>From an extremely happy attendee,

Karl K - W8TIF
McKinney, Texas

P.S. What I now know is that I'm gonna' have to go out and just BUY an FT-817! I don't know what's taken me so long to realize that this rig and its CW filter belong in my arsenal of ham equipment!

Date: Mon, 9 Apr 2001 11:23:24 -0400
From: "Richard Clemens" <clemens@wvwc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [95997] FT-817
Message-ID: <000d01c0c109\$05380e00\$dd68010a@wvwc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

With all the good reports flying around, I just ordered my FT-817 and a bunch of extras...

--

Richard Clemens, KB8A0B
clemens@wwwc.edu

Date: Mon, 9 Apr 2001 09:24:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [95998] The Spring Bouquet operating event.
Message-ID: <Pine.LNX.4.33.0104090914110.29334-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

THE SPRING BOUQUET OPERATING EVENT RIDES AGAIN!!

I'm very pleased to announce that the SPRING BOUQUET operating event WILL run again during the month of May instead of April! I met with Earl Murphy, VA6RF, who originated the Spring Bouquet operating event, at the annual Moose Jaw ARC flea market on Saturday, April 7th., where Earl told me this fun event will be on for May. Earl will be making an announcement very soon looking for FLOWER STATIONS so please watch for that on QRP-C & QRP-L.

Assuming enough Flower Stations come forth the schedule will be posted on these reflectors. Earl is in contact with a station in Nunavut and I will be trying to contact a station on from Manitoba to be on the air. These 2 areas have not been on yet for this event. It would be nice if we can have stations on from all the Provinces and Territories; we'll try our best! If any Canadian stations would like to be a Flower Station, please get in touch with Earl, VA6RF, at "earlmurf@telusplanet.net" asap for details.

If you can operate a lot, fine and if you can only get on say once during May that's fine too; just let Earl know. So watch QRP-C & QRP-L!!!!.....

....72 - Bruce(VE5RC+VE5QRP) -ps- I'm thinking I might try PSK31 this time around.

Date: Mon, 9 Apr 2001 17:29:42 +0200
From: Alen Mitrovic <alen.mitrovic@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [95999] got FT-817
Message-ID: <FED7EB450413D511ABC100B0D0211732814A1B@ha19000.hermes.si>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi

I got my FT 817 last Friday - First Impression Great Rig.
ZM-2 and FT817 led me to my first SSB QRP QSO's - It's fun!
I am waiting now for CW filter.

See yaa on the air

72 de Alen / S53Ma

> -----
> Alen Mitrovic
>

> Personal Web Page : <http://www.qsl.net/s53ma/>
> -----
>
>

Date: Mon, 09 Apr 2001 12:02:32 -0400
From: Pete Burbank <plburbank@kih.net>
To: n2zhy@amsat.org, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96000] Re: OT: National Submarine Day
Message-ID: <5.0.2.1.0.20010409115714.00a9a130@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:22 PM 4/9/2001 +0100, David Hurley,n2zhy wrote:
>Bob/kc2aio and I will be operating from the USS Becuna on Wednesday
>April 11th, National Submarine Day. The Becuna is a WW2 museum ship
>docked on the Philadelphia waterfront.

Dave,
No need to give the frequency....
We should be able to smell you!!! HI!!
::-) :-)
73 Pete NV4V IC1 (SS)

Date: Mon, 09 Apr 2001 12:10:13 -0700
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-1@Lehigh.EDU
Subject: [96001] Does anyone have a July 1996 QRP Quarterly???
Message-ID: <3AD20915.34149E94@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am looking for a copy of the article "ALC modifications for the TS-130v" by Bob Patten, N4BP from July 1996 QQ. I will gladly reimburse any copying /postage costs. Please reply direct.

72,
Craig NR4E
Melbourne, FL

Date: Mon, 9 Apr 2001 09:20:13 -0700 (PDT)
From: agtaylor@llnl.gov
To: qrp-1@lehigh.edu
Subject: [96002] OT warning:: Computer geeky hardware question.
Message-ID: <200104091620.JAA08394@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

Not having a wide network of computer geeky friends, I will try here for some help with a problem with my shack computer.

Delete now if you are not an interested computer geek.

I have an old mini-tower 486/80 machine I use for logging and accessing the callbook CDRom in my shack. It fits nicely against the side of the console and is even earthquake-strapped to the support panel. The connections are in place to both key the rig (main rig, that is) and to do rig control. I use TRLog and LOG-EQF and therefore use a parallel port for keying and paddle interface and a serial port for rig control/interface. It works fairly well.

Now here is the problem. I would like to get it set up to do multiple rigs as well as a TNC modem for packet. Also it would be nice to be able to print QSL labels and also use a mouse (can't now!). The I/O card now in the machine has one parallel port and

two serial ports (one 9-pin, one 15-pin). Clearly I am short about 2 or more serial ports and one or more parallel ports.

So... can anyone help me find from any reasonable source a suitable card with perhaps 2 parallel ports and 4 serial ports? Or, can cards be paralleled? Any suggestions?

I am NOT a computer-techie at this point but just want to soup up the station and give S02R contesting a try. It would seem that it (Two radios simultaneously) would have much to offer the low power or QRP op in a contest situation.

Any comments or suggestions. No, getting a new machine isn't really an option. The shack will always have the 'old' one!

73 Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Mon, 9 Apr 2001 10:30:48 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [96003] QRP Desktop question
Message-ID: <Pine.LNX.4.33.0104091027590.3736-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have about 80 icons on my desktop, small size.....I have looked through HELP files and 2 books on Windows 95 but can't find out so far if there's any way I can put more icons on the Desktop screen...possible?...yes?...no?...appreciate any ideas.....thanks....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Mon, 9 Apr 2001 10:37:48 -0600
From: Jeff Francis <jfrancis@frii.com>
To: agtaylor@llnl.gov
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96004] Re: OT warning:: Computer geeky hardware question.
Message-ID: <20010409103748.A18222@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

If you're running Windoze98 or Linux (and possibly Windoze95 with the right updates), it would be pretty cheap and easy to add a USB card (assuming the machine doesn't already have USB ports), then buy a couple of cheap USB <--> serial converters. No fuss no muss with IRQs, etc. I use them on my laptop all the time, since the laptop only has one built-in serial port.

On Mon, Apr 09, 2001 at 09:20:13AM -0700, agtaylor@llnl.gov wrote:

> Not having a wide network of computer geeky friends, I will try here
> for some help with a problem with my shack computer.
>
> Delete now if you are not an interested computer geek.
>
> I have an old mini-tower 486/80 machine I use for logging
> and accessing the callbook CDRom in my shack. It fits nicely against
> the side of the console and is even earthquake-strapped to the
> support panel. The connections are in place to both key the
> rig (main rig, that is) and to do rig control. I use TRLog and
> LOG-EQF and therefore use a parallel port for keying and paddle
> interface and a serial port for rig control/interface. It works
> fairly well.
>
> Now here is the problem. I would like to get it set up to do
> multiple rigs as well as a TNC modem for packet. Also it would be
> nice to be able to print QSL labels and also use a mouse (can't now!).
> The I/O card now in the machine has one parallel port and
> two serial ports (one 9-pin, one 15-pin). Clearly I am short about
> 2 or more serial ports and one or more parallel ports.
>
> So... can anyone help me find from any reasonable source a suitable
> card with perhaps 2 parallel ports and 4 serial ports? Or, can cards
> be paralleled? Any suggestions?
>
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> up the station and give S02R contesting a try. It would seem that it
> (Two radios simultaneously) would have much to offer the low power
> or QRP op in a contest situation.
>

> Any comments or suggestions. No, getting a new machine isn't really
> an option. The shack will always have the 'old' one!
>
> 73 Allan K7GT
>
>
> --
>
> Allan G Taylor
>
> agtaylor@llnl.gov

--

Jeff Francis - N0GQ	Jeff's Rule of Life #13	Ack!
Packet Slinger	-----	____/
Touch America - tamerica.com	Never attribute to	\ o.o
Denver, CO USA DM79nr	malice that which can	=(_)=
39d43m16.4s N 104d52m10.7s W	be adequately explained	U
jeff@gritch.org	by stupidity.	
http://www.gritch.org		PRR...

Date: Mon, 9 Apr 2001 10:47:02 -0600
From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96005] RE: OT warning:: Computer geeky hardware question.
Message-ID: <LPELINGNAPFNJMEMINEIKEMACCAA.kc0exp@caddistech.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

You didn't mention the OS you are running. This could make a difference, depending on IRQ's etc. You can add serial cards that have either 2 or 4 serial ports (9 pin typically). This might be your best bet. Seems like I got one for a client not to long ago that was a 2-9pin card and it ran about \$40....your mileage may vary.

486 is slow, so I wouldn't recommend getting into USB unless you are running Linux. Windoze is a memory hog and the x486 probably couldn't handle USB.

Another method (although not the ultimate) is to use a serial port switcher. They are typically used for switching between 2 parallel printers or other serial devices. Almost any true computer shop (not best buy, circuit city, et. al.) will have both of these.

My 2cents.

KC0EXP

Michael T. Haynie

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of agtaylor@llnl.gov

Sent: Monday, April 09, 2001 10:20 AM

To: Low Power Amateur Radio Discussion

Subject: OT warning:: Computer geeky hardware question.

Not having a wide network of computer geeky friends, I will try here for some help with a problem with my shack computer.

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I am NOT a computer-techie at this point but just want to soup up the station and give S02R contesting a try. It would seem that it (Two radios simultaneously) would have much to offer the low power or QRP op in a contest situation.

Any comments or suggestions. No, getting a new machine isn't really

an option. The shack will always have the 'old' one!

73 Allan K7GT

--

Allan G Taylor

agtaylor@llnl.gov

Date: Mon, 9 Apr 2001 09:47:28 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [96006] Dual Crystal VXO Question
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76DC3@hq-expo2.filenet.com>

Can anyone point out any references, literature, factoids regarding a VXO circuit using two parallel crystals for a greater range. I note that the MS-15 uses this and I had seen this before..

..inquiring minds..

Thanks.

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Mon, 9 Apr 2001 12:55:02 -0400 (EDT)
From: Paul Mills <cybrinjn@gis.net>
To: qrp-1@Lehigh.EDU
Subject: [96007] Re: OT warning:: Computer geeky hardware question.
Message-ID: <Pine.LNX.4.20.0104091240450.214-100000@daystar.capecod.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You have a set of problems, not insoluble, but difficult:

-- It is possible to add parallel and serial ports to

your box, but the problem comes in finding enough IRQs and base addresses to accomodate them.

- One solution is USB for mice and printers, but I'm not sure if there are usb cards available for a 486.
- There are multi-port (expensive) serial cards out there, with there own device drivers and 4, 8, or even 16 or more ports. May be beyond your needs or means.

If you are handy with a screwdriver, and are a fearless individual, you might consider installing one of the many cheap, powerful motherboards that are available to upgrade AT type boxes. They will have USB on board, and can be expanded. GL

Paul KB1GEJ

<----c-y-b-r-i-n-j-n-@-g-i-s-.-n-e-t-----<<<<<<<<

Date: Mon, 9 Apr 2001 12:56:30 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <jfrancis@frii.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96008] Re: OT warning:: Computer geeky hardware question.
Message-ID: <003001c0c117\$56846660\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not to throw a damper on this, but it being a 486/80 machine, I doubt it's PCI. Try to find a USB card that's not PCI...

Mike

> If you're running Windoze98 or Linux (and possibly Windoze95 with
> the right updates), it would be pretty cheap and easy to add a USB
> card (assuming the machine doesn't already have USB ports), then buy a
> couple of cheap USB <--> serial converters. No fuss no muss with
> IRQs, etc. I use them on my laptop all the time, since the laptop
> only has one built-in serial port.
>

Date: Mon, 9 Apr 2001 13:06:12 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <agtaylor@llnl.gov>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [96009] Re: OT warning:: Computer geeky hardware question.
Message-ID: <003701c0c117\$72f76b80\$6b01a8c0@INSYDENT>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> So... can anyone help me find from any reasonable source a suitable
> card with perhaps 2 parallel ports and 4 serial ports? Or, can cards
> be paralleled? Any suggestions?
>
> 73 Allan K7GT
> Allan G Taylor

Well... You may be in for a bit of a rude surprise...

Yes, you can find 8-com port cards out there. But.... You're not going to have the IRQs to be able to handle them. Unless you're running Linux or Windows 9x. Earlier versions can work with gobs of com ports, but the interrupt sharing is not really an option. (Yes, there WERE cards with their own drivers for a while, but I'll leave those out of the discussion) The problem is that if you can set up, say 4 com ports, and use IRQ4, 3, 5, and 10 for example, then you can get 4 of them to work. Got more IRQs? Just keep adding cards with comm ports until you don't have empty slots or free IRQs! (And I don't think I have the default IRQ right from memory for COM3 and 4 in my example above...)

The problem with 'early' hardware was the IRQs were 'active high'. This means that they can't be 'wired or' connected reliably. IBM DID allow multiple com ports to 'share' an IRQ (using one of the 'OUT' lines on the 8250 to enable an IRQ buffer) but that means you can only have ONE of the com ports on any single IRQ active at one time. (And where is your mouse?)

You COULD share IRQs IF you had a SINGLE card with the IRQs 'wire or' connected for multiple com ports on the card, but the problem now shifted to software. Since this was 'custom', there wasn't 'generic' software to handle this.

WIN9x knows how to 'share' the IRQs, as does Linux, but that's only

because PCI lends itself to sharing. Mostly. If you have PCI hardware...

Mike

Date: Mon, 09 Apr 2001 10:03:41 -0700
From: Bill Jones <kd7s@psnw.com>
To: wphinizy@filenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96010] Re: Dual Crystal VX0 Question
Message-ID: <3AD1EB6D.EC8FF676@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One of the better references on the "super VX0" can be found at:
<http://www.qsl.net/7n3wvm/>

"Phinizy, William" wrote:

>
> Can anyone point out any references, literature, factoids regarding a VX0
> circuit using two parallel crystals for a greater range. I note that the
> MS-15 uses this and I had seen this before..

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Mon, 9 Apr 2001 13:20:28 -0400
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [96011] Mo' antoona mojo & the Grinnin' Turkey Ranch
Message-ID: <20010409.132037.-240857.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Ooh! Ooh! Ooh! You shoulda seed it! It was spatial!

I had just finished moving the pole what holds the antoona from out of Cindy's patch of chives & over to the bunch of brick path stuff where it shoulda been in the fist place. And that was after I took the bent-to-blazes rehab CB vertical apart & straightened it out pretty good with some new aluminum & had Andy help me put it back on the 4x4 fence post where it is out of the way best. So after all that . . .

I'm standin' on the front porch with Cindy checkin' out the ivy in the drive-way & puttin' the mailbox back together when I spied across the street, almost in the street, walkin' down the street, a female wild turkey what Cindy'd said she'd seen before.

After all these years of bein' el patr n of La Estancia de los Guajolotes Sonrientes, I finally done seed the turkey herself! What magic! What mojo! I went in and turned on the radio & then remembered that I still ain't run the RF cables back out to where all the antennas had been moved to so they wouldn't be in the way of the chives. Well, 'cept for the "dipole" that's tuned with the LDG tuner thingie. And you know, it actually still works. No, not the turkey. The antenna tuner.

Now to get the 150W outdoor-rated version and put the QRP one in the car so I can play radio while drivin' the turkey mobile down the road.

Maybe tomorrow I'll finally try the vertical on PSK again. Hmmm . . .

73

Nils

. . . during the repositioning of the vertical, my youngest asked me how I did this stuff before without him helpin' me. "It weren't easy," I told him. "Was there a lot of cussin'?" he asked. "Yeah, you wouldn't have wanted to be there," I said, deeply imbedding the verb tenses for his benefit. "Can I go in now?" he asked. "Yeah, why not? I ain't cussed enough yit anyhoo." So he left. And I cussed a few times just for old time's sake. I had to do somethin'! The backyard neighbors were listening to Queen. "We are the chaaaampions! Weee are the chaaaampions! Weee aare the chaaampions . . . "

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://w8ijn.www6.50megs.com> -- W8IJN --

<http://members.fortunecity.com/nilsbull>

In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!

--- Comrade Nikolai Sergeevich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 9 Apr 2001 10:35:18 -0700
From: Roger Traylor <traylor@ece.orst.edu>
To: qrp-l@lehigh.edu
Subject: [96012] Contact info for G3SBI?
Message-ID: <20010409103518.B12747@guille.ECE.ORST.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gents,

Could someone please direct me to how I could contact
Colin Horrabin G3SBI?

Thank you,
Roger Traylor
WB4TPW

Date: Mon, 9 Apr 2001 14:13:43 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [96013] The W3FPR website has moved
Message-ID: <002601c0c121\$39dc6300\$16113604@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks,

I had some kind of problem with my website host and signed up with Qsl.net.
You can view it at <http://www.qsl.net/w3fpr/> - if you bookmarked the prior
one, please change it.

I have added an article on a Precision Voltage Reference that I built -
anyone wanting an easy device to check their voltmeter's calibration may
want to take a look.

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>

QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

Date: Mon, 09 Apr 2001 14:51:22 -0400
From: Pete Burbank <plburbank@kih.net>
To: wphinizy@filenet.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [96014] Re: Dual Crystal VXO Question
Message-ID: <5.0.2.1.0.20010409143604.00a7e980@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:47 AM 4/9/2001 -0700, Phinizy, William wrote:
>Can anyone point out any references, literature, factoids regarding a VXO
>circuit using two parallel crystals for a greater range. I note that the
>MS-15 uses this and I had seen this before..

William et al

This may not be exactly what you are looking for but FWIW.. The 1985 ARRL Handbook has good info on single Xtal VXOs and some stuff on diode switching between Xtals.
73 Pete NV4V

Date: Mon, 9 Apr 2001 11:46:55 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [96015] Re: Dual Crystal VXO Question
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76DC7@hq-expo2.filenet.com>

Many thanks to all who replied (Bill Jones, et al)..

..the Super VXO article and website was what I was thinking about..now to punch out those little copper dots and heat up the iron..

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Mon, 9 Apr 2001 15:17:15 EDT
From: KC4FKX@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [96016] PSK31 Warbler Kit Build #4
Message-ID: <31.130e6ec0.280364bb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Has anyone in build #4 received their kit yet? I noticed that the list is no longer posted thus I am wondering if they have shipped yet?

Frank

Date: Mon, 09 Apr 2001 15:24:13 -0400
From: Pete Burbank <plburbank@kih.net>
To: qrp-1@lehigh.edu
Subject: [96017] Tunnel Diode Question
Message-ID: <5.0.2.1.0.20010409150044.00a79ce0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Dear gangue,

I have a couple of 1N3716s and wanted to make a QRP-P rig with them. TD info seems to be pretty scarce and these things are easily killed by too much current.

Anybody have a PHYSICAL picture of this device??

Like Anode/flange???? cathode /Flange????

I tried American semi-----no response

Help

73 Pete NV4V

Date: Mon, 9 Apr 2001 15:51:11 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <kd1jv@moose.ncia.net>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [96018] RE: WWVB wirst watch

Message-ID: <002e01c0c12e\$6e569bc0\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The REAL watch to watch is described in this month's issue of "GPS World" magazine in an article entitled "Watch Your GPS." It describes a very small GPS watch that's been prototyped in the labs in Switzerland at Swatch Group.

It contains a 12-channel triple-conversion GPS receiver "powered" by an 8 MHz RISC that contains its own SRAM array, and a separate human-interface microprocessor. It also has bi-directional stepper motor-based analog hands (hour and second hands are independently driven) as well as an LCD. The patch antenna is built-in.

Powered by a lithium-ion battery (it pulls one microamp) and recharged through a charging coil, it displays its own time separate from the GPS receiver, and tells when it decides to sync the two. It also automatically displays the correct local time anywhere in the world.

It also provides a compass which reveals direction to the North Pole and a destination that you can establish. It also provides heading info and velocity to a goal or waypoint, and altitude.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Steven Weber
Sent: Saturday, April 07, 2001 9:19 AM
To: Low Power Amateur Radio Discussion
Subject: WWVB wrist watch

There's an ad for a WWVB controlled wrist watch, yes, wrist watch in the April issue of Discover magazine. It's Pricey though--\$69.95 plus \$9.95 S+H. I wonder if it actually works? What makes me nervous is the at the bottom of the testimonial from a "satisfied watch user", Bill in NJ, there is the disclaimer "results not typical" . In fact, this ad was part of a Jay Leno skit on funny ads a few days ago!

72,
Steve, KD1JV in the white Mountains of New Hampshire

"melt solder"

Date: Mon, 9 Apr 2001 15:57:33 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <n2zhy@amsat.org>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [96019] M.RE: National Submarine Day
Message-ID: <003001c0c12f\$52197e40\$df0cf618@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hope to be on the air with the ORIGINAL equipment that I've restored on the USS Albacore from Portsmouth, NH. Until we get our new callsign that mimics the ship's original, we'll be under the Port City ARC's call W1WQM.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of David Hurley, n2zhy
Sent: Monday, April 09, 2001 8:22 AM
To: Low Power Amateur Radio Discussion
Subject: OT: National Submarine Day

Bob/kc2aio and I will be operating from the USS Becuna on Wednesday April 11th, National Submarine Day. The Becuna is a WW2 museum ship docked on the Philadelphia waterfront.

Bob served aboard a similar boat, the Guavina, in the Pacific theater during WW2 and transferred some rescued flyers to the Becuna during one mission.

We will operate from 1000 to 1500hrs local time.
Callsign is KC2AI0 and Bob's qsl card will be sent.
We will operate CW only.
Bands will be 40, 20 and maybe 10 meters.
Look for us 43khz up from the bottom of the cw band.
Also check the qrp frequencies:
7.040, 14.060 and maybe 28.060

David Hurley, n2zhy

Bob Straub,kc2aio

Date: Mon, 09 Apr 2001 19:57:53 +0100
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [96020] [MH101] Parallel Diodes
Message-ID: <5.0.2.1.0.20010409194553.009f3b40@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I got email that another company still makes the MV1662, but I'd think any varactor will do although your tuning range may vary.... :-)
I'll double check on the URL that K6MM gave me and get back to you to see if a group buy is possible or there is a minimum. This is not an exercise (MH101/QRP-L 30) to make an expensive rig.....

Some one asked me about paralleling 1N4001 or other diodes. I'd done this before and I had thought I had covered this in a previous post long ago in a galaxy far away, but maybe not.

Let's start with one little diode, D1, and say it has a C0 value with zero bias voltage applied. With +8V applied it has some value C0-dC for delta-C.

In a parallel circuit, the starting resonant frequency would be

$$f_0 = 1/(2\pi\sqrt{L\cdot C0}) = K/\sqrt{L\cdot C0} \quad \text{where } K=1/(2\pi)$$

to simplify my typing this stuff in. The upper frequency would be

$$f_1 = K/(\sqrt{L\cdot(C0-dC)})$$

OK, now you want to parallel two caps to get a greater range, your thinking that you can double your range using this technique. Well kid, I got bad news for you. You doubled the capacitance you gotta half the L to get the same frequency.

$$f_0 = K/\sqrt{L/2\cdot C0\cdot 2} \quad \text{since you now have } 2\cdot C0 \text{ with two diodes in parallel}$$

$$f_1 = K/\sqrt{L/2\cdot (C0-dC)\cdot 2} \quad \text{still gives you the same upper limit as you had}$$

before you tried this.

The above assuming a parallel LC tank circuit. If there is a series C involved then the range calculation gets more complicated and you still won't gain anything.

I think. I'll have to get the Cray SuperComputer out to do that. :-) Not really but I need more time....

FYI

Chuck Adams, K7QO CP-60
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo> <http://moon.pr.erau.edu/~adamsc>

TMPS-2001 Mar 27, 2001 Q's = 398 States = 47 Counties = 316 DXCC = 13
SWL-30 with CMOS 3 keyer and HB Iambic Paddle 0.500W and vee-beam

States Needed AK DE VA

DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8

Date: Mon, 9 Apr 2001 16:27:46 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [96021] Field Strength Meter
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E35DD@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I want to make one. I would like to evaluate the performance of a couple of types of antennas, in a real a/b comparasion. It wouldn't be hard numbers, but it should be able to show patterns between the antenna types. I plan on checking the Handbook tonight, it should have a circuit in there to do the trick; but I wanted to just ask a couple of questions (maybe they'll be answered when I read the book?):

The concept of the field strength indicator is act as a wideband, ac voltmeter, right? So it should have a high-input impedance (looking into the pickup antenna). Then it turns into what looks kinda like a diode detector--a diode from the antenna to some sort of tank circuit. Or should it be a low pass filter? And the "ground" reference--is that supplied

through the high impedance path that I present to ground? (if I view this instrument as a voltometer?)

After all, all that should happen is 1) pickup of rf e-field 2) rectification 3) low pass filter, so as to obtain some sort of dc component and 4) some sort of meter. Actually, this is starting to sound like an AM detector.

Am I missing something here about the basics of this device?

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

Date: Mon, 09 Apr 2001 13:13:40 -0700
From: Chris Trask <ctrask@primenet.com>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96022] Re: Tunnel Diode Question
Message-ID: <3AD217F4.79F75BCE@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pete,

The 1N37XX series of tunnel diodes are now made by Germanium Power Devices. I looked at their web page, and I get the impression that you will have to contact them directly to get any information. Also, the seventh edition of the GE Transistor Manual has an entire chapter on theory and applications.

Chris

Pete Burbank wrote:

> Dear gangue,
>
> I have a couple of 1N3716s and wanted to make a QRP-P rig with them.
> TD info seems to be pretty scarce and these things are easily killed
> by too much current.
> Anybody have a PHYSICAL picture of this device??

>
> Like Anode/flange???? cathode /Flange????
> I tried American semi-----no response
> Help
> 73 Pete NV4V

--

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High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Mon, 9 Apr 2001 21:08:35 +0100
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [96023] OT x 2 (Police, and Roosters)
Message-ID: <E14mi2D-0006o5-00.2001-04-09-21-13-14@cmailg5.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gangue,

This is OT (very) so hit delete if'n you want.

1)Any US law enforcement guys in the "old West" areas of US like=
to
contact me off list to answer a couple of queries regards US=
Police
uniforms please?

2)I need a couple of clip arts of Roosters for a website design=
and
so far I haven't found a suitable one. Anyone come across this? I=
would like an animated one of a rooster crowing if I could get=
it.
AND a midi/wav file of the rooster crow if you know of that=
also.

Both off list to

mel@euramcom.freemove.co.uk

and thanks for the BW guys.

Regards

Mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freemove.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freemove.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Mon, 9 Apr 2001 16:16:01 EDT
From: DYARNES@aol.com
To: qrp-l@lehigh.edu
Subject: [96024] Arkiecon Is A Winner!
Message-ID: <5b.147b02b4.28037281@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I made my first trip to Arkiecon, and I hope it won't be my last! What a great weekend thanks to Jay, W5JAY, his bride-to-be Kathy, and a bunch of great folks from the Ft. Smith area.

Before I go any further, let me say that if you can't have fun at Arkiecon, you just can't have fun! PERIOD! There were quite a few folks who drove a fair distance to get there, and I didn't see a sad face among them. There

were folks from Iowa, Texas, Nebraska, Missouri, Oklahoma, New Mexico, Maryland, Michigan, California, the U.K., and Lord knows how many other places. Nobody that I know was the least bit sorry they came.

Doug Hendricks and I decided to meet in Tulsa and drive from there. Flight arrangements were easier (as in "cheaper") that way even including the rental car. Besides, it's a nice drive from Tulsa to Ft. Smith (only about 110 miles) with my FT-817 and a Vern Wright MP-1 hooked up to the trunk lid. Actually, Doug and I spent most of the trip down visiting and catching up, but I went back solo because "Coach" Hendricks took an extra day to spend in Ft. Smith.

I won't burden y'all (see--I'm right back in the swing of talking southern--shades of my years in Memphis and Shreveport) with too much repetition about the hamfest except to say it was excellent! The speakers were knowledgeable, understandable, entertaining, and just plain enjoyable to listen to. You can't beat that! I also wish to compliment Jay for setting it up with reasonable breaks between speakers so that you could walk around a bit and then come back for more. I think we need to do this everywhere we have these things, and I have said so many times. I think Jay proved it was a better way to go.

Personally I had a great time visiting with my friends, and it really makes it well worth the effort to travel these longer distances. What a great bunch of folks! It was particularly enjoyable to be able to once again spend some time with the two U.K. QRPers, Tony and Graham. I met them for the first time at Pacificon last October, and had a great time with them, and we did it all over again at Ft. Smith. You just won't meet anyone finer than these two. I'm hoping we will get to see them at Ft. Tuthill in 2002. We also need to get George Heron and some others to make this trip, maybe even this year. By the way, George and I have a debate as to who has the "messiest" shack. Nobody can beat me in that category, although a couple of folks were close to convincing me that Doug Hendricks isn't exactly a "neatnik"!

I also want to express my admiration for Vern Wright's constant stream of neat antenna gadgets and ideas, and Dennis Foster's incredible little CW paddles. The truth is, if Vern doesn't quit coming out with all these neat gadgets, I'm going to go broke! I just can't pass them up. He now has a special bracket for the FT-817, a tripod table mount for his PM-1, collapsible whips (instead of rifle rods), etc. Everything he has is quality stuff too! As for Dennis and his paddles, I had never seen them before and was I impressed. Now, these are not competition for the Schurr Profi and so on, but they sure are great paddles for portable use, etc. He even has one little paddle called the "Micro" which is unbelievably small. Wire and all, it fits into a plastic film can. I played with one at Jay Bob's house the day I arrived, and I couldn't wait to get one (actually I bought two plus one of Dennis' bigger brass paddles). Every backpacker needs one of these Micros,

and the bigger paddle is great for mobile, portable, or even on your table at home.

Anyway folks, this was a great hamfest. If you are within a days drive (or even more) of Ft. Smith, put this one on your schedule and treat yourself to a great time.

Thanks a bunch to Jay and all the folks in Ft. Smith for a great time.

Dave W7AQK

Date: Mon, 09 Apr 2001 14:58:24 -0500
From: "Lynn Geitgey" <lgeitgey@kumc.edu>
To: <qrp-1@Lehigh.EDU>, <kd1jv@moose.ncia.net>
Subject: [96025] Re: WWVB wrist watch
Message-ID: <sad1d33a.027@gatedo.kumc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Steve,

I have one of the Zeit watch's and am very satisfied with it. I have had =
it over a year, and not one lick of trouble from it. I did replace the =
band (bought one of the Velcro types) for comfort. =20

Lynn Geitgey
Remote Access Specialist
University of Kansas Medical Center
G018 Sudler
3901 Rainbow Blvd
Kansas City, KS 66160-7171
(913)588-4683

>>> "Steven Weber" <kd1jv@moose.ncia.net> 04/07/01 08:18AM >>>
There's an ad for a WWVB controled wrist watch, yes, wrist watch in=20
the April issue of Discover magazine. It's Pricey though--\$69.95 plus=20
\$9.95 S+H. I wonder if it actually works? What makes me nervous is=20
the at the bottom of the testimonial from a "statisfied watch user",=20
Bill in NJ, there is the disclaimer "results not typical" . In fact,=20
this ad was part of a Jay Leno skit on funny ads a few days ago!

72,
Steve, KD1JV in the white Mountains of New Hampshire

"melt solder"

Date: Mon, 9 Apr 2001 15:24:38 -0500
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'SUpton@ALLEGROMICRO.com'" <SUpton@ALLEGROMICRO.com>, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [96026] RE: Field Strength Meter
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA04A499B4@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

No, Shawn, you aren't missing the "basics" of an FSM. If anything, you're making it sound more complicated than it really is!

See earlier posts (from today) on QRP-l about "Building Test Equipment That Doesn't Cost a Mint" -- one of the presentations at Arkiecon this past Saturday. There was a URL link posted that has photos of the schematics of a field strength meter (FSM).

Nothing more than a variable capacitor-tuned parallel circuit with the r.f. probe off the "hot" (high) side (bottom end of the parallel circuit "grounded"), a diode (Shottkey preferred) also coming off the high side of the parallel-tuned circuit, a .047 ufd (or so) from the cathode of the diode to "ground" and a sensitive microammeter across the capacitor. You can "sex it up" by installing a potentiometer to control the "sensitivity" of the FSM by limiting the current through the microammeter.

Check your copy of the ARRL Amateur Radio Handbook! You DO have a copy, don't you? Almost any vintage of HB has suitable circuits for FSMs -- some amplified with an op-amp for even greater sensitivity!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Upton, Shawn [SMTP:SUpton@ALLEGROMICRO.com]
> Sent: Monday, April 09, 2001 3:28 PM
> To: Low Power Amateur Radio Discussion
> Subject: Field Strength Meter
>
> I want to make one. I would like to evaluate the performance of a couple
> of
> types of antennas, in a real a/b comparasion. It wouldn't be hard

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> but it should be able to show patterns between the antenna types. I plan
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> trick; but I wanted to just ask a couple of questions (maybe they'll be
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> voltmeter, right? So it should have a high-input impedance (looking
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> detector--a diode from the antenna to some sort of tank circuit. Or
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> through the high impedance path that I present to ground? (if I view
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> After all, all that should happen is 1) pickup of rf e-field 2)
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> and 4) some sort of meter. Actually, this is starting to sound like an AM
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>
> Am I missing something here about the basics of this device?
>
> Shawn Upton, KB1CKT
> Product Development Engineer - Sensors
> Allegro MicroSystems, Inc
> Concord, NH
> 603.228.5533 ext. 429
>

Date: Mon, 9 Apr 2001 14:13:58 -0600
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [96027] info
Message-ID: <MABBIKAEJKMHLIDDGMCKEEOHCGAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Who was the fellow that had the saying " Collector of Ten Tecs and other

fine plastics"?

Where's Ed WE6W? I miss his fine posts.

72, Tom WB5QYT....."Have spud will travel!"

Date: Mon, 9 Apr 2001 17:00:59 -0400
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'Kanalz, Karl'" <Karl.Kanalz@allegiancetelecom.com>, "Upton, Shawn" <SUpton@ALLEGROMICRO.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96028] RE: Field Strength Meter
Message-ID: <E1F0152638DBD311AEF700D0B74455E21E35E0@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Ah, this would be one of the cases where non-digest mode would've worked better! I don't get the posts of the day until somewhere around 7 or 8 at night (here on the east coast). I'll be looking for that post tomorrow. And I do have a Handbook; I just wanted to get a couple of questions asked, so if I couldn't find the answers tonight (from reading the handbook), then my inbox would be full of them tomorrow for me to read.

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

-----Original Message-----
From: Kanalz, Karl [mailto:Karl.Kanalz@allegiancetelecom.com]
Sent: Monday, April 09, 2001 4:25 PM
To: 'SUpton@ALLEGROMICRO.com'; Low Power Amateur Radio Discussion
Subject: RE: Field Strength Meter

No, Shawn, you aren't missing the "basics" of an FSM. If anything, you're making it sound more complicated than it really is!

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Check your copy of the ARRL Amateur Radio Handbook! You DO have a copy, don't you? Almost any vintage of HB has suitable circuits for FSMs -- some amplified with an op-amp for even greater sensitivity!

Karl K - W8TIF
McKinney, Texas

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> From: Upton, Shawn [SMTP:SUpton@ALLEGROMICRO.com]
> Sent: Monday, April 09, 2001 3:28 PM
> To: Low Power Amateur Radio Discussion
> Subject: Field Strength Meter
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> but it should be able to show patterns between the antenna types. I plan
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> answered when I read the book?):
>
> The concept of the field strength indicator is act as a wideband, ac
> voltmeter, right? So it should have a high-input impedance (looking
> into
> the pickup antenna). Then it turns into what looks kinda like a diode
> detector--a diode from the antenna to some sort of tank circuit. Or
> should
> it be a low pass filter? And the "ground" reference--is that supplied
> through the high impedance path that I present to ground? (if I view
> this
> instrument as a voltmeter?)
>
> After all, all that should happen is 1) pickup of rf e-field 2)
> rectification 3) low pass filter, so as to obtain some sort of dc
> component
> and 4) some sort of meter. Actually, this is starting to sound like an AM

> detector.
>
> Am I missing something here about the basics of this device?
>
> Shawn Upton, KB1CKT
> Product Development Engineer - Sensors
> Allegro MicroSystems, Inc
> Concord, NH
> 603.228.5533 ext. 429
>

Date: 9 Apr 2001 15:48:27 CDT
From: Richard Clem <clem.law@usa.net>
To: qrp-l@lehigh.edu
Cc: vector72@lipetsk.ru
Subject: [96029] QRP kit from RV3GM arrived
Message-ID: <20010409204827.24052.qmail@nwcst319.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Hi, all.

I think I had mentioned on this list a couple of weeks ago that I ordered one of the micro-80 kits that Oleg Borodin, RV3GM, had posted about a while back.

I just wanted to let everyone know that I received a package today from Lipetsk, Russia, by registered mail. And sure enough, inside was a little circuit board, a bunch of components, and one page of instructions that look very clear. It does look like if I arrange the components properly, this thing will cause undulations in the luminiferous aether of about 20 meters long.

I was at Radio Shack picking up some other items, and for \$3, including postage, I was able to order a crystal for, I think, 14.318181818 MHz. =

Obviously, I would prefer something in the CW portion of the band, but for \$3, I decided to order this one, get the thing working, and then worry about finding a crystal for a better frequency.

I'll post again when (if?) I get it working, but I just wanted to let everyone know how fast Oleg shipped out the kit.

73 & 72,
Rick W0IS =

Get free email and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: 9 Apr 2001 16:05:03 CDT
From: Richard Clem <clem.law@usa.net>
To: qrp-l@Lehigh.edu
Subject: [96030] QRP mobile update
Message-ID: <20010409210503.8709.qmail@nwcst282.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

I did want to thank everyone for all of the helpful information I received in response to my request for ideas about QRP mobile operation. This list really works, as I received close to 20 replies, which unfortunately makes it impossible to reply to each!

One theme was that I would have a lot better results on 20-10 as opposed to 40, which seems to be quite true.

I hope I'm not banished from the list for this, but I did install a QRO rig, a TS-120. My results on 40 are somewhat better than with the QRP rig, but not a whole lot better. On the other hand, with a 20 meter hamstick, I've been working the world with about 60 watts. So one of these days, if I decide that the 120 is taking up too much space, I just might get a 20 meter QRP rig and install it instead.

Thanks again for everyone's input. Maybe I'll work you QRO mobile, or QR=

P
from some unusual location.

73,
Rick W0IS

Get free email and a permanent address at <http://www.netaddress.com/?N=3D=1>

Date: Mon, 9 Apr 2001 16:59:25 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "lenny wintfeld" <w2bvh@home.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [96031] ladder line in the rain. what goes
Message-ID: <004601c0c140\$57b74470\$4e100a0a@rohredt2000>

Lenny,
In the rain, moist air is going to be in the spaces between the wires in place of dry air, and thus the electrical conductivity changes as well as dielectric properties. Then, water drops on the plastic does the same to the insulation.

To minimize the effects on the plastic you can actually wax your ladder line plastic insulation with car wax, of the non abrasive type, or even furniture wax. I would not use the silicone containing types, just carnuba wax.

I have not tested Rain X, but that product for making water shed off windshields would do the same, and might last longer than wax, if it does not attack plastics. Wax will pick up dust and slough off the plastic when it dries and is wind abraded over time. Even Rain X degrades on Glass over time, so nothing is for free or permanent! I doubt there would be much loss at QRP powers. Now, if you had high power that is something else!

GL and 72,
Stuart K5KVH

Date: Mon, 9 Apr 2001 17:05:20 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <alihernlem@hotmail.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [96032] Metal film properties
Message-ID: <005201c0c141\$2b6554b0\$4e100a0a@rohredt2000>

They are the least inductive resistors, (see my other post.) In the late 60's I measured many types with HP Vector Impedance meters from low tens of kHz to 108 MHz to establish they were RF suited. The Texas Instruments Red body resistors were more reactive than the blue Corning ones. Those were in half watt 1 per cent sizes.

72,

Stuart K5KVH

Date: Mon, 9 Apr 2001 17:43:55 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: k7qo@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [96033] Re: [MH101] Parallel Diodes
Message-ID: <200104092216.f39MGqk18607@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> OK, now you want to parallel two caps to get a greater range, your thinking
> that you can double your range using this technique. Well kid, I got bad
> news for you. You doubled the capacitance you gotta half the L to get
> the same frequency.
>

This would be true if the tuning diode was the only capacitance in the circuit. But for HF, chances are good you have an additional fixed cap in the circuit to tune the coil to frequency, or you'd need a relatively large inductance. (unless you are using a varactor with a large minumim capacitance, but a 1N4001 is fairly small)

So, if you parallel two diodes, you can subtract the additional capacitance from the extra diode from the fixed cap you have across the inductor and you will end up with both a greater delta C and a bigger change in the L/C ratio, giving a much larger tuning range.

If you want a tuning diode with a pretty big capacitance and a great delta C, strip them out of the AM tuner section of a PLL tuned car radio... you get three of them.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 09 Apr 2001 15:30:34 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [96034] Home Brewin' Knightlites and Potato Power
Message-ID: <3AD20DDA.44DFE2D2@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

I just have to report (with some pride) that Knightlites took first and third places in the Home Brew contest this week end at the Raleigh hamfest!

Sir Gary, N3GO was 1st with his Regenerative Receiver, and Sir Chris, KD4PBJ, took third with his Double Sideband modulator.

An additional word about the Regenerative Receiver, because we plan to feature it on our Web Site, soon. This is a potato power circuit designed by Ray, W4KIA, and massaged by Gary, N3GO. Really!! Ray's original design was powered by sticking a little copper pipe and a zinc strip into a potato. It ran on about 500 mVolts!

Gary developed a program and kits to be built by middle school age kids. The potato power gets their attention, and the project can be assembled with no soldering in about 3 hours. It includes hands-on working demos of each stage of assembly.

Our web site will carry the circuit, Bill of Materials, etc., as well as Gary's suggested teaching methods. So, if you're involved with kids and want a good project to pique their interest in electronics, this could be it.

Sorry to get all excited about the Regen project, but I think it has great potential. I'll let you know when the info is on Site.

--

73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Mon, 9 Apr 2001 15:35:45 -0700 (PDT)

From: agtaylor@llnl.gov
To: rohre@arlut.utexas.edu
Cc: qrp-1@lehigh.edu
Subject: [96035] Re:ladder line in the rain. what goes
Message-ID: <200104092235.PAA03822@poptop.llnl.gov>
MIME-Version: 1.0
Content-Type: TEXT/plain; CHARSET=US-ASCII

Stuart, K5KVH, said:
I doubt there would be much loss
at QRP powers. Now, if you had high power that is something else!

I would like to add the (perhaps obvious) observation that any loss is proportional to the power level. You will have the same dB loss at QRP power levels that you will at QRO levels (provided no arcing takes place, of course!) Just because the loss is a small number in an absolute sense does NOT mean it is insignificant: it may be an important percent of your output power at QRP or QRPP! An insignificant loss of 10mW is a big deal if you are trying to get 15 mW to the antenna while it doesn't matter a bit if I am running my amp on 40CW in a contest...

None of this is intended to criticize the waxing or other water protection of open lines. But rather to point out to the unwary that a dB of loss is just that: a drop proportionally in the power that makes it to your antenna (or whatever!).

73 that picky guy

Allan K7GT (Chuck isn't the only physics guy on the list...)

Allan G Taylor

agtaylor@llnl.gov

Date: Mon, 09 Apr 2001 20:35:15 +0100
From: Larry Cahoon <lejek@erols.com>
To: qrp-1@lehigh.edu, elecrafft@qth.net
Subject: [96036] More Battery Testing - K1 and NiMH vs Alkaline
Message-ID: <5.0.2.1.0.20010409195526.009e98b0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Over the last few weeks I've managed to do a little more on the air

comparisons of NiMH and alkaline batteries with the K1. I'm running 500 mwatts on Tx and the QSOs are contest type - either in a small contest or on the county hunter net. I'm running 8 cell packs for now. The battery pack is "dead" the first time the K1 shows 8.0 volts on transmit. So far I've managed two test with each type a battery. I must say it is still impossible to say one is better than the other. I think I'm either going to have to go to 10 cell packs or go for higher power. My expectation is that moving to a 10 cell pack will favor the alkaline batteries, while moving to higher power will favor the NiMH. But that is yet to be seen.

The basic data is a follows:

Alkaline:

Test 1 - 25.5 hours and 14 QSOs over 10 days

Test 2 - 26 hours and 22 QSOs over 4 days

NiMH

Test 3 - 22 hours and 43 QSOs over 3 days

Test 4 - 23 hours and 59 QSOs over 2 days

About the only firm result from this is that spreading the usage over more days with the alkaline batteries did not improve their performance. I had thought it would.

I need to either do fewer QSOs with the NiMH or more QSOs with the alkaline to get a more equal comparison.

I did do a bit of fancy math to try to get at the effect of the extra QSOs. I started with the assumption that the rating on the NiMH of 1600 mAH is correct. I then observed that my K1 is running about 55 mA on Rx. Using the data from Test 3 - For 22 of operating time this consumes 1210 mA on the receive side. This left a capacity of 390 mA used on the 43 QSOs or about an 9.1 mA to complete each QSO. With around 25 extra QSO with the NiMH over the alkalines this means with 25 fewer QSOs with the NiMH I would have saved about 226 mA which would have given me a bit over another four hours of listening time. Add the four hours to the 22 and I get 26 hours. That comes in real close to what I got with the Alkaline batteries.

With all the assumptions and approximations in that computation, to say nothing of the variability in the test results themselves, I'm not prepared to say either is better. I suspect both will hold up for the duration of something like QRPTTF. If I run my usual 500 mwatts that is.

More Later,

73 de Larry.....WD3P in MD

Date: Mon, 09 Apr 2001 17:46:50 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [96037] ArkieCon -- Special Event!
Message-ID: <3.0.2.32.20010409174650.007fc590@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Special, not just because I came away with the ArkieCon grand prize, but for all the great QRP and general Amateur Radio ambiance. Several here on QRP-L have left messages about all the fine activities and events at ArkieCon. I don't need to repeat them.

Had I not won anything, it would have been a great time anyway. The presentations were interesting and most enjoyable. The eyeball QSO's were a pleasant enhancement to all the electronic exchanges over the past years on QRP-L. And getting mingle with all the folks with like interests was most stimulating.

Margie and I celebrated our wedding anniversary on the 7th and it was also sort of a honeymoon that we didn't get. I really believe that, had Margie not been there, I would not have had the luck that I did. She she sure enjoyed it and the shopping with Karl's (W8TIF) wife too.

A big vote of thanks to all the Amateur Radio folks at Ft. Smith and ArkieCon for a great event.

Looking forward to seeing y'all next year.

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, RARA #3, Visit NETXQRP Web Site: <http://www.netxqrp.org>
[TMPS] Qs - 120, States - 40, DX - 26, 3W to Btrnut HF9V, Marsh Key

Date: Mon, 9 Apr 2001 18:56:00 EDT
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [96038] Today at 1535 UT an M8-class solar flare near
Message-ID: <9a.1292dff6.28039800@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

SPACEWEATHER UPDATE APRIL 9TH:

HERE COMES THE SUN: Today at 1535 UT an M8-class solar flare near sunspot 9415 hurled a coronal mass ejection into space -- and almost directly toward Earth. The expanding cloud will probably trigger geomagnetic disturbances when it reaches our planet late Wednesday or Thursday.

Image: http://www.spaceweather.com/images2001/09apr01/cme_c3_big.gif

End of QRP-L Digest 2154

